

REMARKS

1. (original) A display device comprising electrophoretic particles, a display element comprising a pixel electrode and a counter electrode between which a portion of the electrophoretic particles are present, and control means for supplying a drive signal to the electrodes to bring the display element in a predetermined optical state corresponding to the image information to be displayed, characterized in that control means are further arranged for supplying a preset signal preceding the drive signal comprising a preset pulse having an energy sufficient to release the electrophoretic particles at a first position near one of the two electrodes corresponding to a first optical state, but too low to enable the particles to reach a second position near the other electrode corresponding to a second optical state, wherein the duration of the preset pulse is less than 19 msec.

2. (original) A display device as claimed in claim 1, wherein the control means are arranged for supplying a set of preset pulses, wherein the duration of the majority, preferably all, of the preset pulses is less than 19 msec.

3. (currently amended) A display device as claimed in claim 1—or 2, wherein the duration of the preset pulse or pulses is more than 0.5 msec.

4. (currently amended) A display device as claimed in claim 1—or 2, wherein the duration of the preset pulse or preset pulses lies between 1 and 15 msec.

5. (original) A display device as claimed in claim 4, wherein the duration of the preset pulse or preset pulses lies between 2 and 10 msec.

6. (original) A display device as claimed in claim 5, wherein the duration of the preset pulse or preset pulse lies between 3 and 5 msec.

7. (original) A display device as claimed in claim 1, wherein the control means being further arranged for generating the preset pulse with a negative or positive polarity and the control means being further arranged for generating the drive signal comprising a pulse with a negative or positive polarity, whereby the polarity of the preset pulse is opposite to the polarity of the pulse of the data signal.

8. (original) A display device as claimed in claim 7 wherein the control means being further arranged for generating an even number of preset pulses.

9. (original) A display device as claimed in claim 1 wherein one of the electrodes comprises a data electrode and the other electrode comprises a selection electrode and the control means further comprising first drive means for applying a selection signal to the selection electrodes and second drive means for applying a data signal to the data electrode.

10. (original) A display device as claimed in claim 1 wherein the pixel electrode of the display element is being coupled to a selection electrode or a data electrode via a switching element, and the control means further comprising first drive means for applying a selection signal to the selection electrodes and second drive means for applying a data signal to the data electrode.

11. (currently amended) A display device as claimed in claim 9—or 10, wherein selection electrodes associated with display elements are interconnected in two groups, and the control means being arranged for generating a first preset signal having a first phase

to the first group and a second preset signal to the second group having a second phase opposite to the first phase.

12. (currently amended) A display device as claimed in claim 9—or 10, wherein the second drive means are arranged for generating the preset signal.

13. (currently amended) A display device as claimed in claim 9—or 10, wherein the pixel electrode is coupled to the control means for generation of the preset signal via the counter electrode.

14. (original) A display device as claimed in claim 13, wherein the counter electrode is divided into two portions, wherein each portion is associated with a set of display elements connected via a selection electrode.

15. (original) A display device as claimed in claim 10, wherein the pixel electrode is coupled via a first additional capacitive element to the control means for receiving the preset signal.

16. (original) A display device as claimed in claim 10, wherein the pixel electrode is being coupled to the control means via a further switching element.

17. (original) A display device as claimed in claim 1, wherein the display comprises two substrates one of which is transparent and the electrophoretic particles are present between the two substrates.

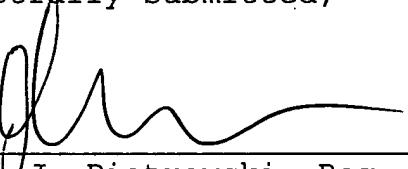
18. (original) A display device as claimed in claim 1, wherein the electrophoretic material is an encapsulated electrophoretic material.

REMARKS

The foregoing amendments to the claims were made solely to avoid filing the claims in the multiple dependent form so as to avoid the additional filing fee.

The amendment to the claims does not address issues of patentability and Applicants respectfully reserve all rights they may have under the Doctrine of Equivalents. Applicants furthermore reserve their right to reintroduce subject matter deleted herein at a later time during the prosecution of this application or continuing applications.

Respectfully submitted,

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